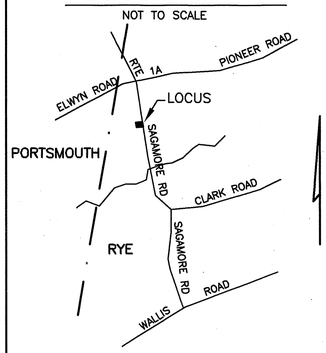
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL POLE #43/30A EL 42.78

#2 SET SPIKE LEDGE OUTCROP EL 50.00

#3 WATER SHUT–OFF ELEV 42.07

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 45.5
2. THERE IS/ARE APPROX 0 FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

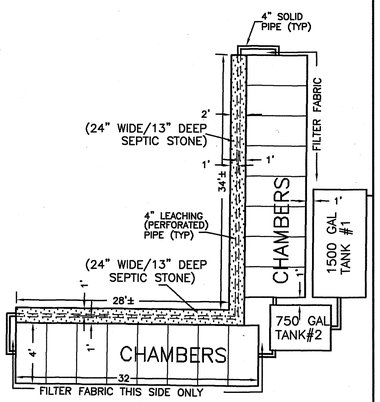
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

50	EXISTING CONTOUR
(50)	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION
V.I.F.	TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION

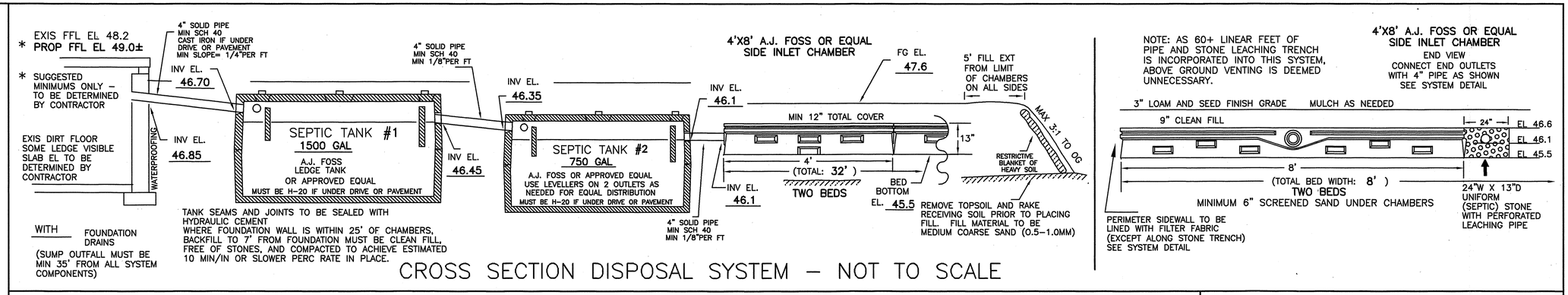
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD 3130–1643, RCRD PLAN D12490, D18532
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD RCRD 1446–474 (1957)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.



SYSTEM DETAIL

1"=APPROX 10'

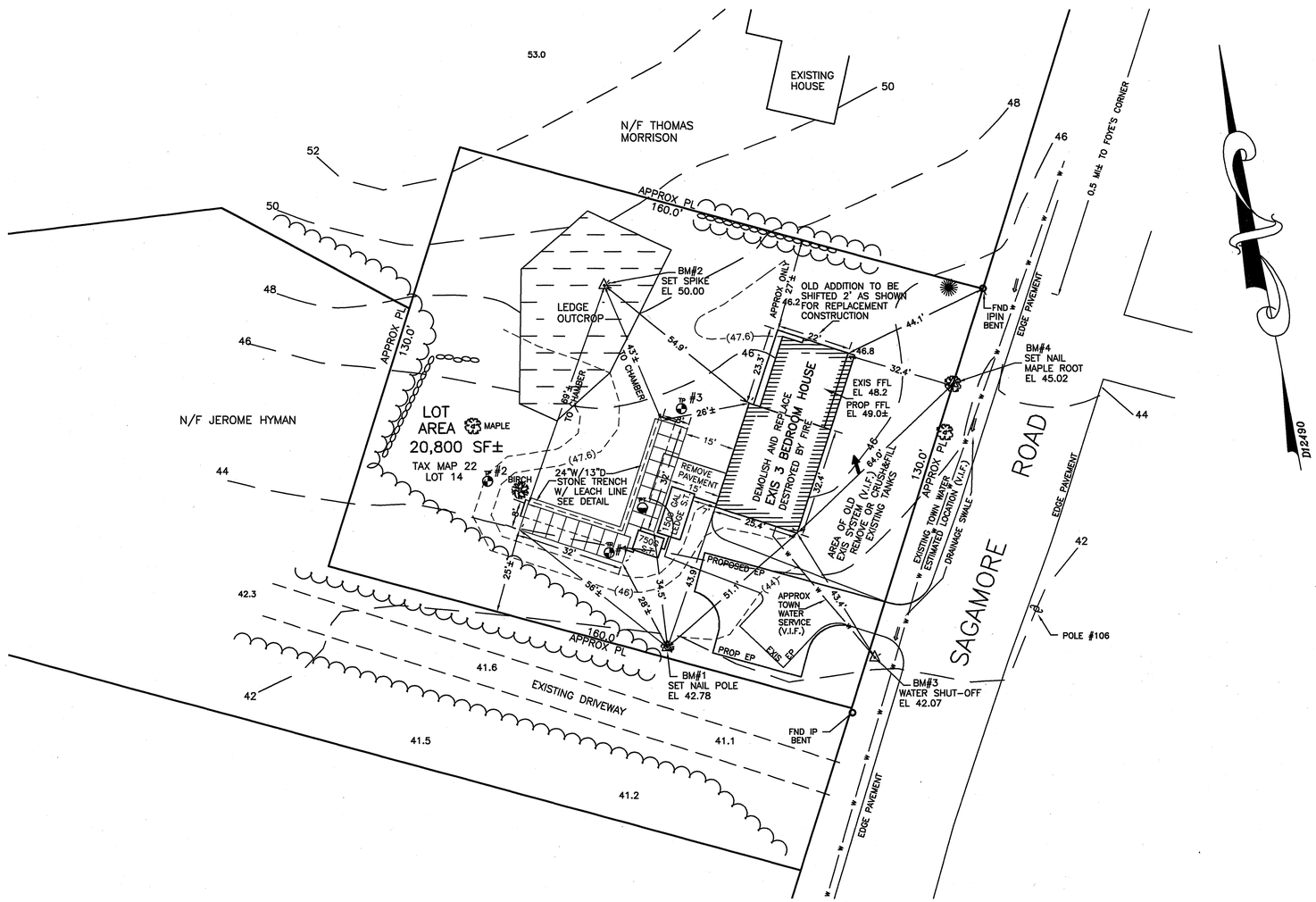

EXIS FFL EL 48.2
* PROP FFL EL 49.0±
* SUGGESTED MINIMUMS ONLY – TO BE DETERMINED BY CONTRACTOR
EXIS DIRT FLOOR SOME LEDGE VISIBLE SLAB EL TO BE DETERMINED BY CONTRACTOR
WATERPROOFING
INV EL. 46.85
WITH FOUNDATION DRAINS
(SUMP OUTFALL MUST BE MIN 35' FROM ALL SYSTEM COMPONENTS)
4" SOLID PIPE MIN SCH 40 CAST IRON IF UNDER DRIVE OR PAVEMENT MIN SLOPE= 1/4"PER FT
INV EL. 46.70
SEPTIC TANK #1
1500 GAL
A.J. FOSS LEDGE TANK OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 46.45
INV EL. 46.35
SEPTIC TANK #2
750 GAL
A.J. FOSS OR APPROVED EQUAL
USE LEVELLERS ON 2 OUTLETS AS NEEDED FOR EQUAL DISTRIBUTION
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
TANK SEAMS AND JOINTS TO BE SEALED WITH HYDRAULIC CEMENT
WHERE FOUNDATION WALL IS WITHIN 25' OF CHAMBERS, BACKFILL TO 7' FROM FOUNDATION MUST BE CLEAN FILL, FREE OF STONES, AND COMPACTED TO ACHIEVE ESTIMATED 10 MIN/IN OR SLOWER PERC RATE IN PLACE.
4'X8' A.J. FOSS OR EQUAL SIDE INLET CHAMBER
INV EL. 46.1
FG EL. 47.6
5' FILL EXT FROM LIMIT OF CHAMBERS ON ALL SIDES
MIN 12" TOTAL COVER
13"
MAX 3:1 TO OG
4'
(TOTAL: 32')
TWO BEDS
BED BOTTOM EL. 45.5
RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM COARSE SAND (0.5–1.0MM)
INV EL. 46.1

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

NOTE: AS 60+ LINEAR FEET OF PIPE AND STONE LEACHING TRENCH IS INCORPORATED INTO THIS SYSTEM, ABOVE GROUND VENTING IS DEEMED UNNECESSARY.

4'X8' A.J. FOSS OR EQUAL SIDE INLET CHAMBER
END VIEW
CONNECT END OUTLETS WITH 4" PIPE AS SHOWN SEE SYSTEM DETAIL
3" LOAM AND SEED FINISH GRADE
MULCH AS NEEDED
9" CLEAN FILL
24"
EL 46.6
EL 46.1
EL 45.5
8'
(TOTAL BED WIDTH: 8')
TWO BEDS
MINIMUM 6" SCREENED SAND UNDER CHAMBERS
24"W X 13"D UNIFORM (SEPTIC) STONE WITH PERFORATED LEACHING PIPE
PERIMETER SIDEWALL TO BE LINED WITH FILTER FABRIC (EXCEPT ALONG STONE TRENCH) SEE SYSTEM DETAIL

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: NOV 17, 2004 TOWN INSPECTOR: DENNIS PLANTE

TEST PIT #1 ELEV 43.8

0 –16" 10YR2/2 FINE SANDY LOAM, TOPSOIL GRANULAR FRIABLE (TO BE REMOVED)
16–32" 10YR4/6 GRAVELLY FINE SANDY LOAM GRANULAR FRIABLE
32–48" 2.5Y5/4 FINE SANDY LOAM BLOCKY FRIABLE, MOTTLED
ESHWT @ 32", NO OBS H2O, REFUSAL @ 48", ROOTS TO 32"+

TEST PIT #2 ELEV 44.5

0 –10 ' 10YR2/2 FINE SANDY LOAM, TOPSOIL GRANULAR FRIABLE (TO BE REMOVED)
10–24" 10YR4/6 GRAVELLY FINE SANDY LOAM GRANULAR FRIABLE
24–38" 2.5Y5/4 FINE SANDY LOAM BLOCKY FRIABLE, MOTTLED
ESHWT @ 24", NO OBS H2O, REFUSAL @38", ROOTS TO 38"

TEST PIT #3 ELEV 45.5

0 –10 ' 10YR2/2 FINE SANDY LOAM, TOPSOIL GRANULAR FRIABLE (TO BE REMOVED)
10–24" 10YR5/6 GRAVELLY STONY FINE SANDY LOAM GRANULAR FRIABLE
24–45" 2.5Y5/4 VERY STONY FINE SANDY LOAM GRANULAR FRIABLE, INCREASING ROTTEN ROCK WITH DEPTH
ESHWT @ 24", NO OBS H2O, REFUSAL @ 45", ROOTS TO 30"+

PT PERC TEST DATA

DATE: 11/17/04 PERC RATE: 10 MIN/IN DEPTH: 24"

DESIGN LOADING: EXISTING 3 BEDROOMS

AREA REQUIRED: 825 SF STANDARD X 0.6 = 495 SF REQUIRED FOR CHAMBERS

AREA PROPOSED: USE SIXTEEN 4X8 FLOWDIFFUSOR CHAMBERS FOR 16X32FT = 512 SF
PLUS 62' X 2'W STONE WITH PIPE = 124 SF
TOTAL LEACHING AREA = 512 = 124 = 636 SF

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

LOCUS: 189 SAGAMORE ROAD
RYE, NH 03870

OWNER: JUDITH M. STATEN
C/O PATRICIA ANDERSON
10 WASHINGTON ROAD
RYE, NH 03870

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
(603) 929–7404

DATE: NOVEMBER 30, 2004

APPROVAL: CA2004068480